

FIG.1

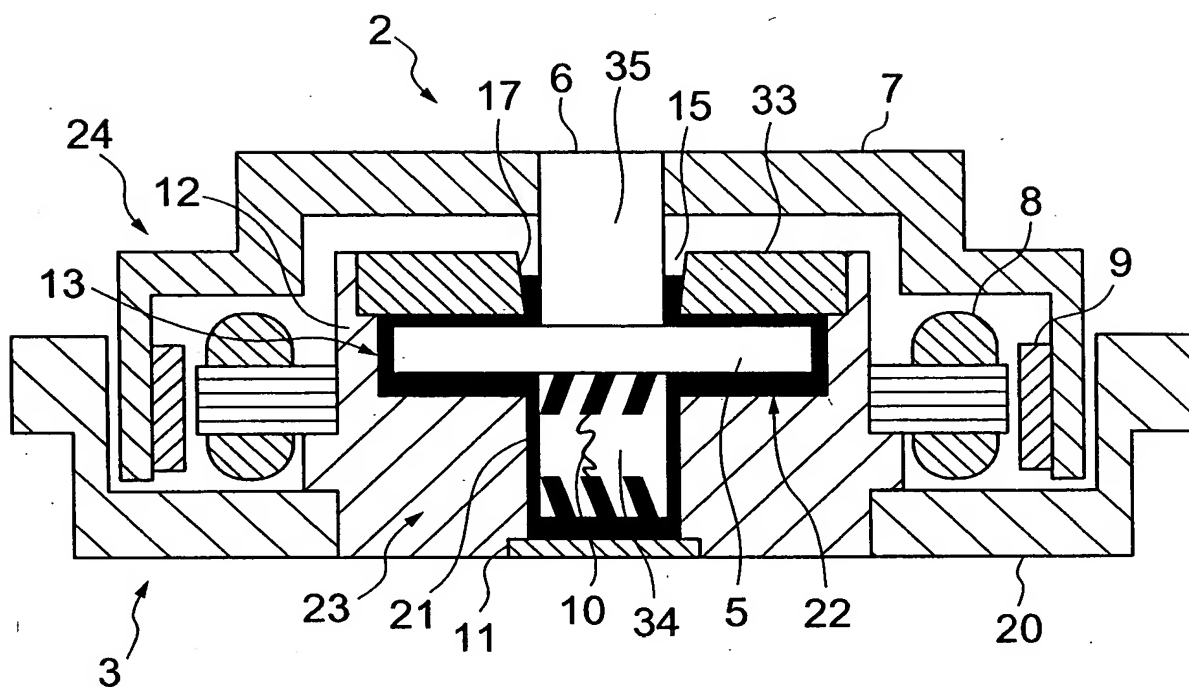


FIG.2

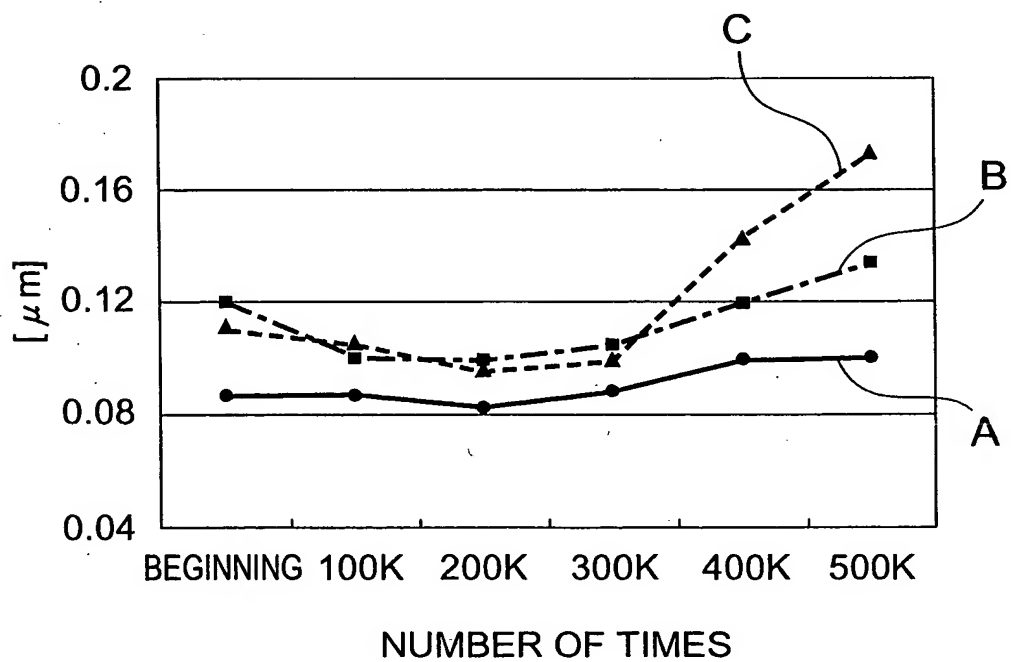


FIG.3

C	S i	M n	P	S	N i	C r
0.20	0.35	8.00	<0.05	0.15	2.00	14.00

FIG.4

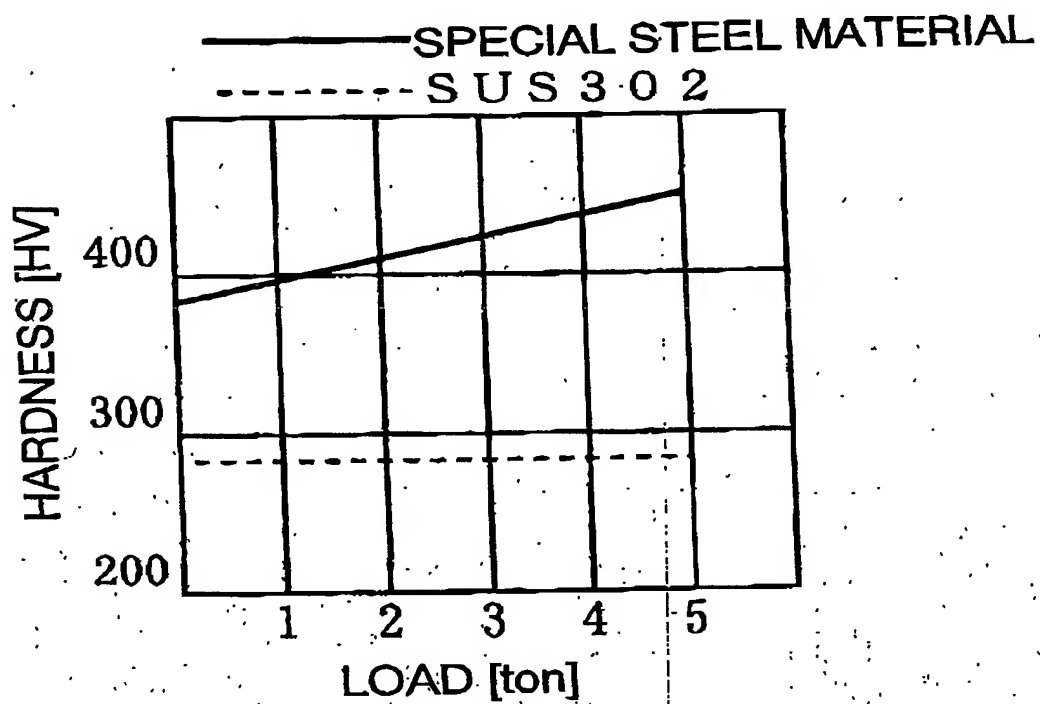


FIG.5

	CUT POWDER THICKNESS	SURFACE ROUGHNESS	VARIATION
SUS416	60 μ	4.9 μ	1.3 μ
SPECIAL STEEL MATERIAL	75 μ	1.8 μ	0 μ

FIG.6

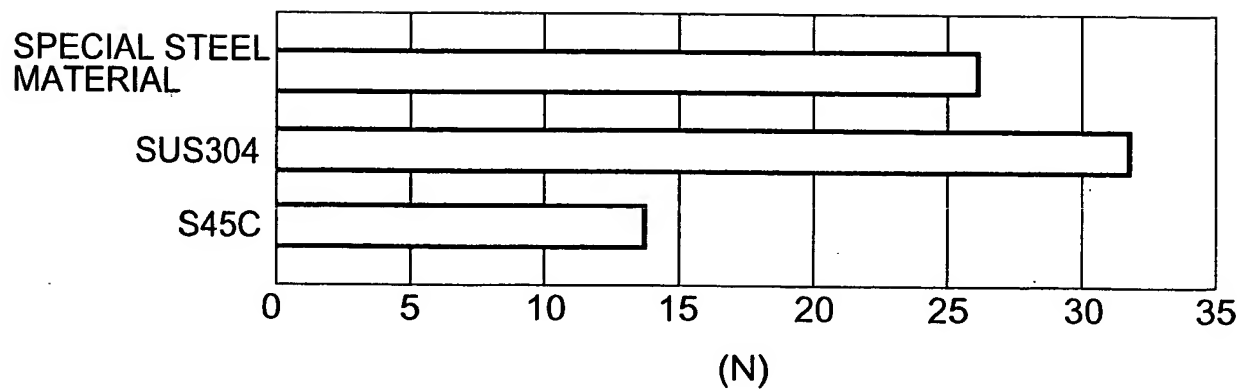


FIG.7

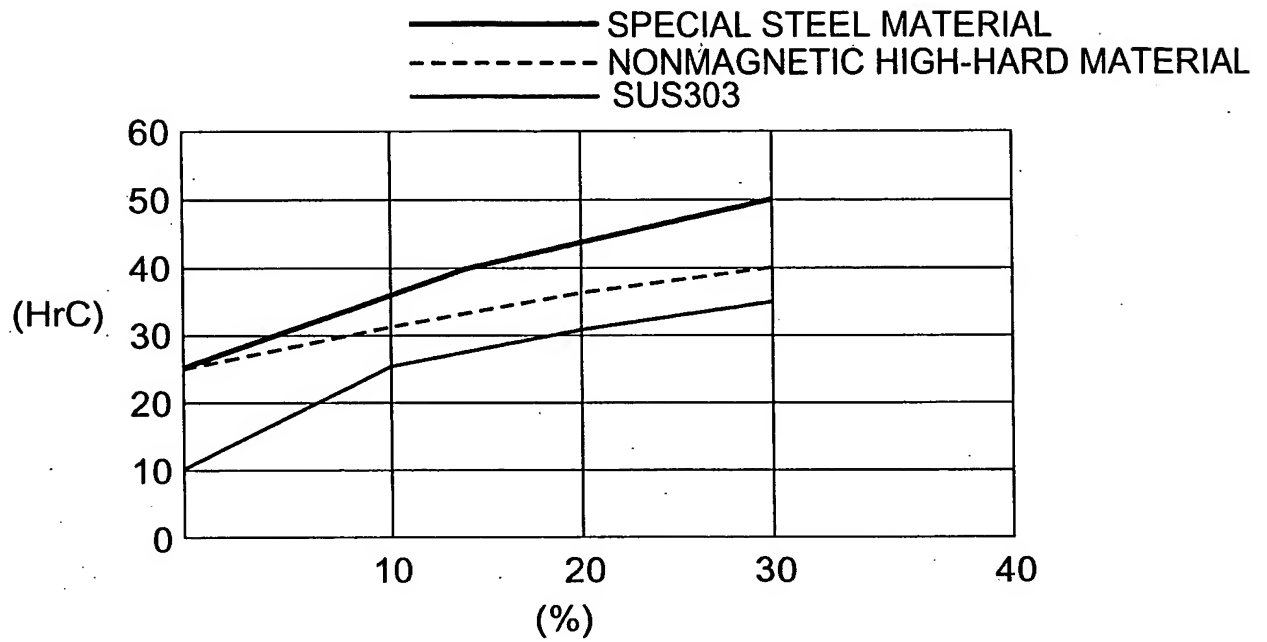


FIG.8

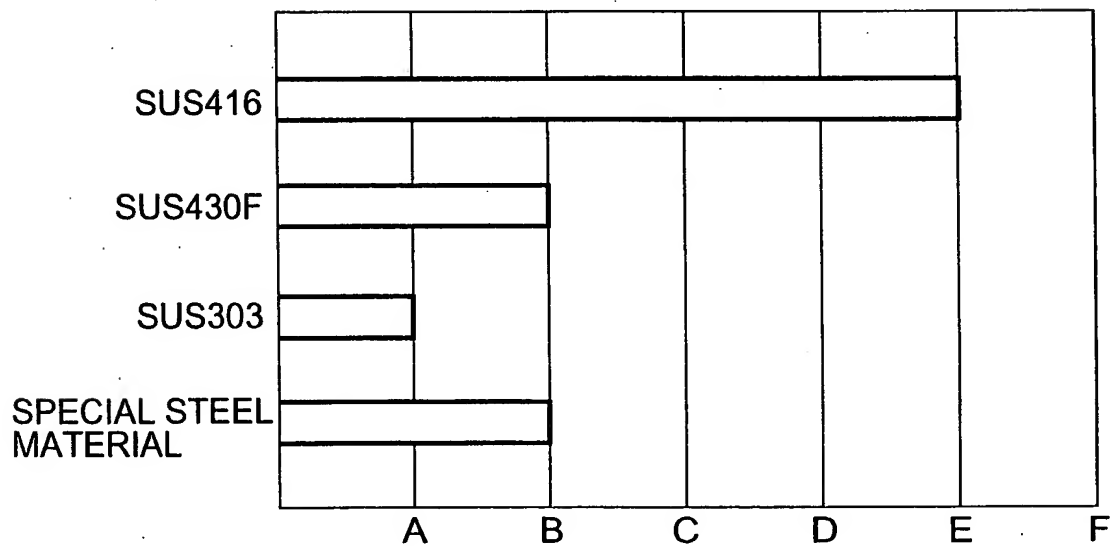


FIG.9

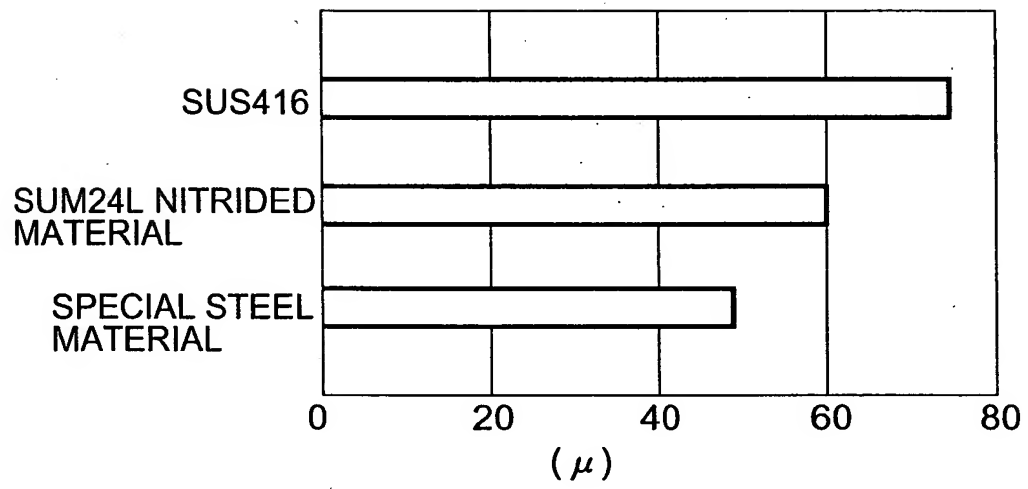


FIG.10

MATERIAL	24 HOURS	96 HOURS	120 HOURS
SPECIAL STEEL MATERIAL	NO RUST	NO RUST	SMALL PATCH OF RUST
SUS303	NO RUST	NO RUST	RUST LIKE UNIFORM SPECKLES FORMED OVER THE WHOLE PERIPHERY
SUS416	NO RUST	RUSTING	RUSTING. RUST OCCURS IN 96 HOURS BUT NO PROGRESS.

FIG.11

MATERIAL	4 HOURS	8 HOURS	48 HOURS	168 HOURS
SPECIAL STEEL MATERIAL	NO RUST	NO RUST	RUST OCCURS FROM BASE OF CUT PORTION	RUST PROGRESSES
SUS303	NO RUST	NO RUST	NO RUST	RUST OCCURS AT THE FRONT END OF CUT PORTION
SUS416	NO RUST	RUSTING	RUSTING	RUST PROGRESSES